Performance Data Sheet

AVA7528ZXT

General Information

Model	AVA7528ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
-10	Btu/h	20000	18000	15600	13100	10500	7960	5480
	Watts	3100	2980	2870	2760	2650	2520	2360
	Amps	8.62	8.60	8.47	8.25	7.99	7.72	7.47
	Lb/h	336	327	309	284	253	217	178
-5	Btu/h	23600	21300	18700	15900	13000	10200	7520
	Watts	3250	3190	3140	3090	3040	2960	2860
	Amps	9.07	9.16	9.12	9.01	8.84	8.66	8.50
	Lb/h	399	389	371	346	316	281	245
0	Btu/h	27600	24900	21900	18800	15700	12600	9580
	Watts	3370	3370	3380	3390	3380	3360	3300
	Amps	9.45	9.64	9.70	9.68	9.61	9.52	9.44
	Lb/h	469	457	437	412	382	348	314
5	Btu/h	31900	28800	25500	22000	18500	15000	11700
	Watts	3480	3530	3600	3650	3700	3720	3700
	Amps	9.78	10.1	10.2	10.3	10.3	10.3	10.3
	Lb/h	546	531	510	483	452	420	386
10	Btu/h	36700	33200	29400	25500	21500	17600	13900
	Watts	3570	3690	3800	3900	3990	4050	4080
	Amps	10.1	10.4	10.7	10.9	11.0	11.0	11.1
	Lb/h	632	614	590	561	529	496	463
15	Btu/h	42000	37900	33600	29200	24800	20400	16200
	Watts	3680	3840	3990	4140	4270	4370	4430
	Amps	10.3	10.8	11.1	11.4	11.6	11.8	11.9
	Lb/h	728	706	678	647	613	579	546
20	Btu/h	47800	43100	38300	33300	28300	23400	18700
	Watts	3790	3990	4190	4380	4540	4670	4770
	Amps	10.6	11.2	11.6	11.9	12.2	12.4	12.7
	Lb/h	835	808	776	742	706	670	635
25	Btu/h	54200	48800	43300	37700	32100	26600	21300
	Watts	3930	4170	4410	4630	4820	4990	5110
	Amps	10.8	11.5	12.0	12.5	12.8	13.1	13.5
	Lb/h	955	922	886	847	808	770	734

30	Btu/h	61100	55000	48900	42600	36300	30100	24200
	Watts	4100	4380	4650	4900	5130	5310	5460
	Amps	11.1	11.9	12.5	13.0	13.4	13.8	14.2
	Lb/h	1090	1050	1010	964	921	880	842

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.918983E+04	4.644578E+03	-5.756908E-01	1.321770E+02
C2	1.518146E+03	-8.810302E+01	-1.128696E-01	2.421181E+01
C3	3.124798E+02	-4.120352E+01	2.617691E-01	1.074167E+01
C4	1.762367E+01	3.059092E-01	-7.775702E-04	2.583742E-01
C5	-9.531800E+00	1.583972E+00	2.526678E-03	-1.820246E-01
C6	-5.393332E+00	4.360362E-01	-2.167222E-03	-1.004893E-01
C7	4.601698E-02	1.357242E-02	2.279721E-05	1.638074E-03
C8	-1.186831E-01	-8.096686E-03	-4.350373E-06	-1.357754E-03
C9	1.180646E-02	-2.511241E-03	-3.042765E-06	7.831668E-04
C10	1.543339E-02	-1.502091E-03	5.774621E-06	2.358200E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature